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8/3/1998

U.S ENVIRONMENTAL PROTECTION AGENCY - REGION 10
OFFICE OF WASTE AND CHEMICALS MANAGEMENT
COMPLIANCE EVALUATION INSPECTION REPORT

I. General Information

Facility: Mapco North Pole

EPA ID No.: AKD 00085 0701

Facility Location: 1100 H&H Lane
North Pole, AK

Facility Contact: Kathleen McCollum
Environmental Supervisor
(907) 488-2741

Date of Inspection: August 3, 1998

Inspector: Michael Fagan
Environmental Scientist
RCRA Compliance Unit
Office of Waste and Chemicals Management
EPA Region 10, Seattle WA

II. Introduction:

EPA conducted this Compliance Evaluation Inspection (CEI) under a requirement of the Resource Conservation and Recovery Act (RCRA). Section 3007(c) of RCRA requires that EPA undertake on an annual basis a thorough inspection of each facility for the treatment, storage, or disposal of hazardous waste which is owned or operated by a Federal agency.

III. Facility Description:

Mapco Alaska Petroleum, Inc. is a petroleum refinery located in North Pole, Alaska. The facility downloads crude oil from the Trans-Alaskan Pipeline, refines various petroleum products and returns the residual to the pipeline.

There is currently one plant at the facility called Crude #2. It has been operating since 1985. The petroleum products that are distilled from crude oil are: gasoline, kerosene, diesel, and asphalt. All other residuals are sent back to the Trans-Alaskan pipeline. 60% of the product produced by Mapco is shipped offsite

by railcar.

Mapco is constructing a new plant, Crude #3, to be complete in October 1998. It will be solely used for the production of kerosene.

The facility has a pretreatment permit with the city of North Pole.

IV. Compliance History

Under a RCRA consent order that was administered by ADEC, Mapco has installed a pump and treat system to remediate petroleum contaminated ground water under the facility. The treatment system is an airstripper.

V. Inspection:

a. Credential Presentation and In brief Discussion

I arrived at 1300 on August 3, at the facility. I reported to the guard station and presented my credentials. At 1310, I was met by Kathleen McCollum, Environmental Supervisor. We then went to her office. We were met by Corey Meade, Enviromental Coordinator. I informed Ms. McCollum that I was conducting a RCRA Compliance Evaluation Inspection (CEI).

Ms. McCollum said that between May and September, the facility was episodically a Large Quantity Generator (LQG). She showed me a list of the hazardous wastes generated onsite (attachment 2). I asked to see some of the manifests from the most recent shipments of hazardous wasted from the facility. There were a total of 3 shipments of hazardous waste so far for 1998. I asked for copies of the manifests from these shipments (attachment 2). I looked at the manifests and land disposal restriction forms. There were no discrepancies. The main waste streams generated by Mapco are F037 and K050. Mr. Corey is the person responsible for preparing HW shipments.

I asked to see the training system. All records are maintained electronically. I looked through some records and did not see any discrepancies (attachment 3).

b. Site Tour and Record Review

At 2:15, I went with Ms. McCollum and Mr. Meade on a facility tour.

The first place I looked at was the Maintenance shop. This area is for faculty operations, and no road vehicle maintenance is

conducted onsite. The vehicles that are maintained are track vehicles, such as tractors, lifts, etc. I talked to Dave Freedel, mechanic. He showed me a parts washer. The solvent was kerosene. There are no chlorinated solvents used onsite. The spent solvent is labeled as "Used Kerosene".

At 2:34, I inspected the Heat Exchanger Building. In this area, there was a concrete pad that drained to sumps. The sludge collected from the sumps is coded as F037. The oily-water in the sumps is piped to an oil/water separator.

I looked at the Effluent Building at 2:45. There was a satellite accumulation area here. The troughs in the building are cleaned out and collected in the satellite area. Next door was the CTX-Bio area. Wastes collected here were oily rags and used sorbent pads. These wastes are tested for benzene.

At 2:59 I looked at the 90-day area. There were 20 drums here. The majority were labeled "T-404 sludge pending analysis". This waste is recovered from the kerosene tank operations. There were no discrepancies with the storage area.

I inspected the Environmental Storage Building at 3:24. Inside was a Dextrite Tube Crusher for fluorescent tubes.

At 3:28 I looked at the Plant Laboratory. In the Lab, there was a satellite accumulation area. The satellite area had 2 15-gallon drums. 1 drums was for waste mercury and the other was for spent solvent. It was labeled "D001,D040,F002 -Solvent from Asphalt testing".

At 3:55 I conducted an outbrief.

VI. Potential Violations and Deficiencies

There were no potential violations observed during this CEI.

VII. Appendices

Attachments

Waste Name	Profile #	Codes
Desalter Sludge	45563-04	D018 Benzene
Ethylene Glycol Contaminated with Benzene	145838	D018 Benzene
Flourescent Light Bulbs	145851	D009 Mercury
Fuel Tank Sludge	92141	D018 Benzene,WT02
Heat Exchanger Sludge	45257-05	K050
Heater Ash	92143	D007 Chromium
Instrument Sensors		
Oily water, separator sludge	45258	D001 Ignitable,D018 Benzene,F037
Paint	45296-00	D001 Ignitable
PPE Contaminated with Heat Exchanger Slu	149366-00	K050
Process Sludge	92143	D018 Benzene
Sand Blasting Media		D006 Cadmium,D008 Lead
Used Kerosene	92142	D008 Lead,D018 Benzene
Used Petroleum Coalescing Filters	92144-02	D018 Benzene
Waste Mercury with Clean Up Material	45255	D009 Mercury
Waste Paint	105672-01	D001 Ignitable,D006 Cadmium,D008 Lead,D
Waste Paint Thinner	45297	D001 Ignitable,F003 F005
Waste Sulfolane with Benzene	52831	D018 Benzene
Water Clarifiers	150553-00	WT01